

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050624\
 Data File : VU058835.D
 Acq On : 06 May 2024 16:01
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005097

Quant Time: May 07 01:11:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 07 01:07:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	64843	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	61880	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	32677	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	16570	3.249	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.000%
7) Chloroethane-d5	1.904	69	13578	3.533	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.600%
11) 1,1-Dichloroethene-d2	2.557	65	10293	4.008	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.612	46	40463	45.154	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.300%
24) Chloroform-d	5.049	84	52805	5.064	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.692	65	26976	5.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.718	84	89698	4.554	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.679	67	24688	4.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.891	98	81353	4.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.174	79	10629	4.969	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.624	63	31439	49.604	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.200%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	18035	5.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	29083	5.107	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.374	85	37316	5.255	ug/L	98
3) Chloromethane	1.512	50	22480	4.044	ug/L	99
5) Vinyl chloride	1.596	62	23763	4.213	ug/L	95
6) Bromomethane	1.846	94	14435	4.325	ug/L	94
8) Chloroethane	1.924	64	12503	3.936	ug/L	93
9) Trichlorofluoromethane	2.129	101	48981	5.548	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	27646	5.254	ug/L	95
12) 1,1-Dichloroethene	2.570	96	23114	4.895	ug/L	96
13) Acetone	2.615	43	27724	44.763	ug/L	99
14) Carbon disulfide	2.782	76	72904	4.539	ug/L	99
15) Methyl Acetate	2.943	43	6519	4.390	ug/L	97
16) Methylene chloride	3.033	84	24724	4.865	ug/L	95
17) Methyl tert-butyl Ether	3.348	73	53553	5.010	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	24245	5.126	ug/L	96
19) 1,1-Dichloroethane	3.853	63	48034	4.795	ug/L	94
21) 2-Butanone	4.689	43	42612	43.752	ug/L	93
22) cis-1,2-Dichloroethene	4.653	96	26747	5.148	ug/L	87
23) Bromochloromethane	4.965	128	10985	5.400	ug/L	86
25) Chloroform	5.075	83	55501	5.331	ug/L	95

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27) 1,2-Dichloroethane	5.785	62	34911	5.605	ug/L #	95
29) 1,1,1-Trichloroethane	5.303	97	53658	5.810	ug/L	98
30) Cyclohexane	5.377	56	37260	4.274	ug/L	88
31) Carbon tetrachloride	5.515	117	48271	5.913	ug/L	99
33) Benzene	5.763	78	105576	4.931	ug/L	100
34) Trichloroethene	6.534	95	29491	5.062	ug/L	95
35) Methylcyclohexane	6.753	83	41437	4.681	ug/L	97
37) 1,2-Dichloropropane	6.782	63	26233	4.691	ug/L	98
38) Bromodichloromethane	7.097	83	37502	5.413	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	38330	4.951	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	107100	43.389	ug/L	97
42) Toluene	7.962	91	111916	5.058	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	31897	5.351	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	16934	5.263	ug/L	97
47) Tetrachloroethene	8.547	164	34259	8.379	ug/L	98
48) 2-Hexanone	8.676	43	78171	44.582	ug/L	97
49) Dibromochloromethane	8.801	129	21184	5.621	ug/L	96
50) 1,2-Dibromoethane	8.917	107	14925	5.041	ug/L #	93
51) Chlorobenzene	9.441	112	69437	5.151	ug/L	99
52) Ethylbenzene	9.563	91	127064	5.207	ug/L	98
53) m,p-Xylene	9.689	106	47417	5.290	ug/L	93
54) o-Xylene	10.094	106	45623	5.369	ug/L	96
55) Styrene	10.107	104	75204	5.433	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	17551	4.680	ug/L #	95
59) Bromoform	10.283	173	12341	5.392	ug/L	97
60) Isopropylbenzene	10.476	105	129928	5.012	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	13735	4.618	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	109003	5.053	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	104916	5.140	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	55052	4.928	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	53903	4.945	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	49460	5.114	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	3021	5.878	ug/L	87
69) 1,3,5-Trichlorobenzene	13.213	180	41745	5.223	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	27310	4.915	ug/L	100
71) Naphthalene	14.084	128	28718	4.272	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	21845	4.961	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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